

Ozone Transmitter & Controller

Ozone Sensor with Sampling Pump

Ozone Transmitter/Controller with Internal Pump for ambient or laboratory research applications. NEMA-2 Enclosure great for applications where computer interface is preferred.



Features

- Allows active sampling through a Teflon tube employing a vacuum pump
- low & high alarm with control diagnostics
- software included for PC interface
- Provides water ingress protection
- Allows remote sampling from inaccessible areas (eg. Controlled Atmosphere environments)
- Improved performance in pressure and flow fluctuating environments

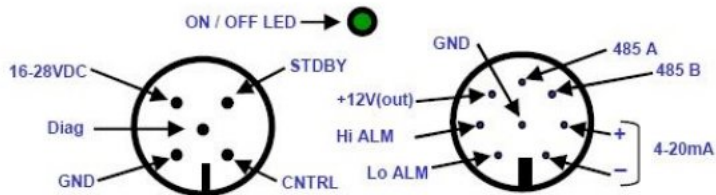
Product ID: **S-940**
 Lead Time: **1 week**
 Price: **\$2,380.00**

Specifications

Power Requirements	24VDC, 500mA (range 22-26 VDC)
Outputs	4-20 mA (opto-isolated), 12-24 V
External signals	4
External signal functions	Low Alarm, High Alarm, Control & Diagnostics
Inputs	Standby toggle
Communication	RS485
Alarm set points	(2) User configurable
RS485 protocol	Aeroqual proprietary product (included)
Removable / replaceable sensor head	Yes
Sampling Pump	12VDC, long life, brushless, diaphragm pump
Enclosure rating	IP41 & NEMA 2 equivalent
Enclosure size	9-in W x 5-in H x 3.7-in D (230 W x 140 H x 95 D mm)
Enclosure casing	Fiber reinforced polycarbonate
Weight	1.2 lbs (1.1 kg)
Approvals	Part 15 of the FCC Rules
	EN 50082-1: 1997 EN 50081-1: 1992
External signal type	Transistor Output

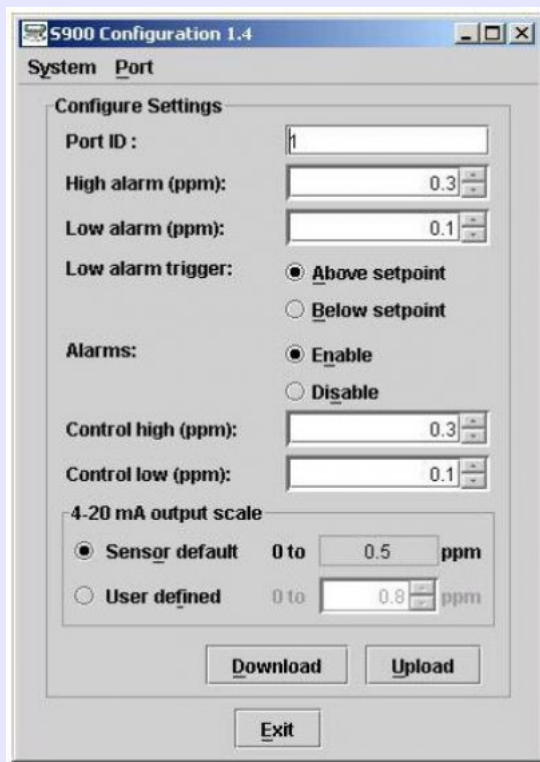
S-940 Pin Connections

The connector pin designations are shown in the diagram below.



See the many outputs from the S-940 Ozone Analyzer with internal pump.

S-940 Software Alarms



Setting the alarm points & control outputs is very simple with the Windows compatible software. Software is included.

Calibration Certificate - Low Head

aeroQUAL

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Calibration Certificate No. 614

DATE:	18-Jun-04	QC Approval:
MODEL:	OZL	
Serial No:	OZLC190504-586	

Calibration Standard	OZONE CONCENTRATION / ppm			
	0.000	0.100	0.300	0.500
AQL Sensor mean	0.002	0.090	0.305	0.472

CALIBRATION STANDARD
The Aeroqual ozone monitors are calibrated in a controlled environment, against a dual cell UV photometric analyser utilising an external zero air source. The instrument has a linearity of 1 ppb and a precision of 2 ppb. This calibration unit is maintained and certified by New Zealand's National Institute of Water and Atmospheric Research (www.niwa.cri.nz). Traceability is maintained with other international standard organisations and governmental bodies.

WARNING
Aeroqual monitors are very sensitive instruments and need to be treated with due care. The calibration of Aeroqual sensors will be affected by excessive exposure to ozone. In addition, contamination of filters and sensitive parts of the instrument will adversely affect readings - thus keep the instrument as clean as possible and free from avoidable contaminants.
Use strictly in accordance with the product user guide.

Every Aeroqual product comes with its own unique calibration certificate. The customer knows that the accuracy of their sensor has been tested & verified.